# BRAIN

## A JOURNAL OF NEUROLOGY

MACMILLAN AND CO., LIMITED
LONDON · BOMBAY · CALCUTTA
MELBOURNE
THE MACMILLAN COMPANY
NEW YORK · BOSTON · CHICAGO
ATLANTA · SAN FRANCISCO
THE MACMILLAN CO. OF CANADA, LTD.
TORONTO

# Brain

## A Journal of Neurology

EDITOR

GORDON HOLMES, M.D.

ASSISTANT EDITORS

J. G. GREENFIELD, M.D. AND F. M. R. WALSHE, M.D.

WITH THE HELP OF

SIR BYROM BRAMWELL, M.D.
SIR FARQUHAR BUZZARD, M.D.
SIR HENRY HEAD, M.D., F.R.S.
R. PERCY SMITH, M.D.
SIR CHARLES SHERRINGTON, M.D., F.R.S.
SIR J. PURVES-STEWART, M.D.
JAMES TAYLOR, M.D.

VOLUME LIII

MACMILLAN AND CO., LIMITED
ST. MARTIN'S STREET, LONDON
NEW YORK: THE MACMILLAN COMPANY
1930

# CONTENTS.


| | PAGE |
|---|---|
| Microglia: An Experimental Study by Means of Tissue Culture and Vital Staining. A. Q. Wells and E. Arnold Carmichael ... ... | 1 |
| Spinal Symptoms in Chloroma and Leukæmia. Macdonald Critchley and J. Godwin Greenfield ... ... ... ... ... | 11 |
| A Case of Arteriovenous Aneurysm within the Brain. A. Gurney Yates and C. G. Paine ... ... ... ... ... ... | 38 |
| Diabetes Insipidus. Elizabeth Cowper Eaves ... ... ... | 47 |
| The Pituitary and Hypothalamic Region in Chronic Epidemic Encephalitis. Elizabeth Cowper Eaves and Margaret M. Croll... ... ... | 56 |
| Experimental Diabetes Insipidus. Curt P. Richter ... ... ... | 76 |
| Tumour of the Gasserian Ganglion: Sheath Neuroma. James R. Learmonth and James W. Kernohan ... ... ... ... | 86 |
| The Structural Basis of Traumatic Epilepsy and Results of Radical Operation. O. Foerster and Wilder Penfield ... ... ... | 99 |
| The Anterior Cerebral Artery, and its Syndromes. Macdonald Critchley | 120 |
| A Theoretical Application to some Neurological Problems of the Properties of Excitation Waves which move in Closed Circuits. Lawrence S. Kubie ... ... ... ... ... ... ... | 166 |
| The Influence of Efferent Cerebral Pathways upon the Sympathetic Nervous System. Orthello R. Langworthy and Curt P. Richter ... | 178 |
| A Clinical Study of Tumours involving the Occipital Lobe. I. M. Allen | 194 |
| Nervous and Mental Phenomena associated with Paroxysmal Tachycardia. Frederick P. Moersch ... ... ... ... | 244 |
| The Pointing Position of the Hand as a Pathological and Primitive Reflex. A. A. Grünbaum ... ... ... ... ... | 267 |
| Chronic Progressive Polyneuritis, with Report of a Fatal Case. Herbert H. Hyland and W. Ritchie Russell ... ... ... ... | 278 |
| Vascular Lesions of the Hind-Brain. (Lateral Medullary Syndrome.) Houston Merritt and Maxwell Finland ... ... ... | 290 |
| Hæmophilia as a Cause of Lesions in the Nervous System. H. J. Seddons ... ... ... ... ... ... ... | 306 |
| The Influence of Experimental Lesions of the Spinal Cord upon the Knee-jerk. I.—Acute Lesions. J. F. Fulton, E. G. T. Liddell and D. McK. Rioch ... ... ... ... ... ... | 311 |


589053

PAGE

The Influence of Unilateral Destruction of the Vestibular Nuclei upon Posture and the Knee-jerk. J. F. Fulton, E. G. T. Liddell and D. McK. Rioch ... ... ... ... ... ... 327

The Electromyogram of Voluntary Movements in Man. E. A. Blake Pritchard ... ... ... ... .. ... ... 344

Progressive Hypertrophic Polyneuritis, with Case Reports. W. Ritchie Russell and Hugh G. Garland ... ... ... ... 376

Disseminated Sclerosis in North Wales. R. S. Allison ... ... 391

Central Mechanism of the Reflex Arc. E. A. Blake Pritchard ... 431

Clinical and Anatomical Studies on Two Cats without Neocortex. Georges Schaltenbrand and Stanley Cobb ... ... ... 449

Intracranial Aneurysms. Max Schmidt ... .. ... ... 489

Notices of Recent Publications ... ... ... 92, 259, 385, 541

Index to Vol. LIII ... ... ... ... ... ... 549